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Product datasheet for MR206914L4V

Kcnj14 (NM_145963) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Kcnj14 (NM_145963) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kcnj14
Synonyms:	A930026G01Rik; IRK4; Kir2.4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145963
ORF Size:	1302 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR206914).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_145963.2, NP_666075.1
RefSeq Size:	2639 bp
RefSeq ORF:	1305 bp
Locus ID:	211480
UniProt ID:	Q8JZN3
Cytogenetics:	7 B3

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Gene Summary: Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. KCNJ14 gives rise to low-conductance channels with a low affinity to the channel blockers Barium and Cesium (By similarity).[UniProtKB/Swiss-Prot Function]